Author index to volume 251

Andersson, K.K. see J. Haavik 251 (1989) 36
Audigier, Y. see L. Journot 251 (1989) 230

Babu, A., W. Lehman and J. Gulati, Characterization of the Ca^{2+}-switch in skeletal and cardiac muscles 251 (1989) 177
Bader, M. see M. Schwemmle 251 (1989) 117
Barbato, R., F. Rigoni, M.T. Giardi and G.M. Giacometti, The minor antenna complexes of an oxygen evolving photosystem II preparation: purification and stoichiometry 251 (1989) 147
Batke, J., Remarks on the supramolecular organization of the glycolytic system in vivo 251 (1989) 13
Baudyš, M. see M. Mareš 251 (1989) 94
Baumeister, W. see B. Dahlmann 251 (1989) 125
Belle, R. see O. Mulner-Lorillon 251 (1989) 219
Bernasconi, P., T. Rausch, J.P. Gogarten and L. Taiz, The H^+ ATPase regulatory subunit of *Methanococcus thermolithotrophicus*: amplification of an 800 bp fragment by polymerase chain reaction 251 (1989) 132
Betsholtz, C., L. Christmansson, U. Engström, F. Rorsman, V. Svensson, K.H. Johnson and P. Westermark, Sequence divergence in a specific region of islet amyloid polypeptide (IAPP) explains differences in islet amyloid formation between species 251 (1989) 261
Bhalla, R.C. see R.A. Fisher 251 (1989) 22
Binz, K. see M. Böni-Schnetzler 251 (1989) 253
Biryukov, K.G. see V.P. Shirinsky 251 (1989) 65
Blundell, T.L. see D. Donnelly 251 (1989) 109
Bockaert, J. see L. Journot 251 (1989) 230
Böni-Schnetzler, M., K. Binz, J.-L. Mary, C. Schmid, J. Schwander and E.R. Froesch, Regulation of hepatic expression of IGF I and fetal IGF binding protein mRNA in streptozotocin-diabetic rats 251 (1989) 253
Bowen, W.D. see B.R. de Costa 251 (1989) 53
Boyd, R.S. and M. Wallis, Effects of pretreatment with tetradecanoyl phorbol acetate on regulation of growth hormone and prolactin secretion from ovine anterior pituitary cells 251 (1989) 99
Bozhkov, V.M. see N.V. Tomilin 251 (1989) 79
Brahmachari, S.K. see G. Meera 251 (1989) 245
Bustos, R. and F. Sobrino, Control of fructose 2,6-bisphosphate levels in rat macrophages by glucose and phorbol ester 251 (1989) 143

Campbell, D.G. see J. Haavik 251 (1989) 36
Carreras, J. see C. Gallego 251 (1989) 74
Chan, Y.-L. see V. Paz 251 (1989) 89
Changya, L., D.V. Gallacher, R.F. Irvine and O.H. Petersen, Inositol 1,3,4,5-tetrakisphosphate and inositol 1,4,5-trisphosphate act by different mechanisms when controlling Ca^{2+} in mouse lacrimal acinar cells 251 (1989) 43
Chap, H. see P. Gelas 251 (1989) 213
Christmansson, L. see C. Betsholtz 251 (1989) 261
Cohen, P. see J. Haavik 251 (1989) 36
Cormier, P. see O. Mulner-Lorillon 251 (1989) 219

Dahlmann, B., F. Kopp, L. Kuehn, B. Niedel, G. Pfeifer, R. Hegerl and W. Baumeister, The multicatalytic proteinase (prosome) is ubiquitous from eukaryotes to archaebacteria 251 (1989) 125
Davydova, E.K. see A.G. Ryazanov 251 (1989) 187
De Costa, B.R., W.D. Bowen, S.B. Hellewell, J.M. Walker, A. Thurkauf, A.E. Jacobson and K.C. Rice, Synthesis and evaluation of optically pure [^{3}H]-(+)-pentazocine, a highly potent and selective radioligand for σ receptors 251 (1989) 53
Delrieu, M.-J. and F. Rosengard, Interaction of exogenous quinones with photosystem II in inside-out thylakoids 251 (1989) 161
Donnelly, D., M.S. Johnson, T.L. Blundell and J. Saunders, An analysis of the periodicity of conserved residues in sequence alignments of G-protein coupled receptors: Implications for the three-dimensional structure 251 (1989) 109
Doree, M. see O. Mulner-Lorillon 251 (1989) 219
Drainas, D., S. Zimmerly, I. Willis and D. Söll, Substrate structural requirements of *Schizosaccharomyces pombe* RNase P 251 (1989) 84
Duncan, R. and S. Misler, Voltage-activated and stretch-activated Ba^{2+} conducting channels in an osteoblast-like cell line (UMR 106) 251 (1989) 17

Engel, J., EGF-like domains in extracellular matrix proteins: localized signals for growth and differentiation? 251 (1989) 1
Engström, U. see C. Betsholtz 251 (1989) 261
Engström, W. see E.L. Newman 251 (1989) 225

Falke, L.C., K.D. Gillis, D.M. Pressel and S. Misler, 'Perforated patch recording' allows long-term monitoring of metabolite-induced electrical activity and voltage-dependent Ca^{2+} currents in pancreatic islet B cells 251 (1989) 167
Fischer, M. see K. Machoczek 251 (1989) 207
Fisher, R.A., R.V. Sharma and R.C. Bhalla, Platelet-activating factor increases inositol phosphate production and cytosolic free Ca^{2+} concentrations in cultured rat Kupffer cells 251 (1989) 22
Flatmark, T. see J. Haavik 251 (1989) 36
Flockerzi, V. see W. Wernet 251 (1989) 191
Fonyó, A. see A. Kapus 251 (1989) 49
Foriers, A. see Y. Vandenberghe 251 (1989) 59
Froesch, E.R. see M. Böni-Schnetzler 251 (1989) 253
Fuchs, G. see R. Glöckler 251 (1989) 237

Published by Elsevier Science Publishers B.V. (Biomedical Division)
00145793/89/$3.50 © 1989 Federation of European Biochemical Societies

Gallacher, D.V. see L. Changya 251 (1989) 43
Gallego, C. and J. Carreras, Fructose 2,6-bisphosphate and glucose 1,6-bisphosphate levels in erythrocytes with high and low 2,3-bisphosphoglycerate content during postnatal development 251 (1989) 74
Gärtner, S. see M. Schröder 251 (1989) 197
Gelas, P., G. Ribbes, M. Record, F. Terce and H. Chap, Differential activation by fMet-Leu-Phe and phorbol ester of a plasma membrane phosphatidylcholine-specific phospholipase D in human neutrophil 251 (1989) 213
Giacometti, G.M. see R. Barbato 251 (1989) 147
Giardi, M.T. see R. Barbato 251 (1989) 147
Gillis, K.D. see L.C. Falke 251 (1989) 167
Glöckler, R., A. Tschech and G. Fuchs, Reductive dehydroxylation of 4-hydroxybenzoyl-CoA to benzoyl-CoA in a denitrifying, phenol-degrading *Pseudomonas* species 251 (1989) 237
Gogarten, J.P. see P. Bernasconi 251 (1989) 132
Görlach, M. see M. Schwemmle 251 (1989) 117
Guillouzo, A. see Y. Vandenberghe 251 (1989) 59
Gulati, J. see A. Babu 251 (1989) 177
Gusev, N.B. see V.P. Shirinsky 251 (1989) 65

Haavik, J., D.L. Schelling, D.G. Campbell, K.K. Andersson, T. Flatmark and P. Cohen, Identification of protein phosphatase 2A as the major tyrosine hydroxylase phosphatase in adrenal medulla and corpus striatum: evidence from the effects of okadaic acid 251 (1989) 36
Hanley, M.R. see T.R. Jackson 251 (1989) 27
Hansson, Ö. see P. Mathis 251 (1989) 241
Hegerl, R. see B. Dahlmann 251 (1989) 125
Hellewell, S.B. see B.R. de Costa 251 (1989) 53
Hennighausen, L. see H. Lubon 251 (1989) 173
Hilse, K. see M. Schwemmle 251 (1989) 117
Hofmann, F. see W. Wernet 251 (1989) 191
Hyldahl, L. see E.L. Newman 251 (1989) 225

Ikeuchi, M., H. Koike and Y. Inoue, Identification of *psb*I and *psb*L gene products in cyanobacterial photosystem II reaction center preparation 251 (1989) 155
Inoue, Y. see M. Ikeuchi 251 (1989) 155
Irvine, R.F. see L. Changya 251 (1989) 43
Itoh, M., K. Matsuura and T. Satoh, Involvement of cytochrome bc_1 complex in the electron transfer pathway for N_2O reduction in a photodenitrifier, *Rhodobacter sphaeroides* f. s. *denitrificans* 251 (1989) 104
Itoh, Y. see T. Watanabe 251 (1989) 257

Jackson, T.R. and M.R. Hanley, Tumor promoter 12-O-tetradecanoylphorbol 13-acetate inhibits *mas*/angiotensin receptor-stimulated inositol phosphate production and intracellular Ca^{2+} elevation in the 401L-C3 neuronal cell line 251 (1989) 27
Jacobson, A.E. see B.R. de Costa 251 (1989) 53
Johnson, K.H. see C. Betsholtz 251 (1989) 261
Johnson, M.S. see D. Donnelly 251 (1989) 109
Jonák, J. and K. Karas, Modification of *Bacillus subtilis* elongation factor Tu by N-tosyl-L-phenylalanyl chloromethane abolishes its ability to interact with the 3'-terminal polynucleotide structure but not with the acyl bond in aminoacyl-tRNA 251 (1989) 121
Journot, L., J. Bockaert and Y. Audigier, Reconstitution of cyc$^-$ S49 membranes by in vitro translated G_{α_i}: Membrane anchorage and functional implications 251 (1989) 230

Kadenbach, B. see C. Thiel 251 (1989) 270
Kapus, A., E. Ligeti and A. Fonyó, Na^+/H^+ exchange in mitochondria as monitored by BCECF fluorescence 251 (1989) 49
Karas, K. see J. Jonák 251 (1989) 121
Ketterer, B. see Y. Vandenberghe 251 (1989) 59
Kimura, C. see T. Watanabe 251 (1989) 257
Klima, H. see M. Schröder 251 (1989) 197
Koike, H. see M. Ikeuchi 251 (1989) 155
Kopp, F. see B. Dahlmann 251 (1989) 125
Kostka, V. see M. Mareš 251 (1989) 94
Kovaleva, I.E., L.A. Novikova and V.N. Luzikov, Synthesis and secretion of bacterial α-amylase by the yeast *Saccharomyces cerevisiae* 251 (1989) 183
Kuehn, L. see B. Dahlmann 251 (1989) 125
Kwon, H. see M. Schröder 251 (1989) 197

Labbe, J.-C. see O. Mulner-Lorillon 251 (1989) 219
Larsson, O. see E.L. Newman 251 (1989) 225
Lehman, W. see A. Babu 251 (1989) 177
Ligeti, E. see A. Kapus 251 (1989) 49
Lönn, S. see U. Lönn 251 (1989) 265
Lönn, U., S. Lönn, U. Nylen and G. Winblad, Appearance of a late stage during mammalian DNA replication when cells resume formation of 10 kb DNA replication intermediates 251 (1989) 265
Lubon, H., C.W. Pittius and L. Hennighausen, In vitro transcription of the mouse whey acidic protein promoter is affected by upstream sequences 251 (1989) 173
Luzikov, V.N. see I.E. Kovaleva 251 (1989) 183

Machoczek, K., M. Fischer and H.-D. Söling, Lipocortin I and lipocortin II inhibit phosphoinositide- and polyphosphoinositide-specific phospholipase C: The effect results from interaction with the substrates 251 (1989) 207
Mareš, M., B. Meloun, M. Pavlík, V. Kostka and M. Baudyš, Primary structure of cathepsin D inhibitor from potatoes and its structure relationship to soybean trypsin inhibitor family 251 (1989) 94
Mary, J.-L. see M. Böni-Schnetzler 251 (1989) 253
Mathis, P., K. Satoh and Ö. Hansson, Kinetic evidence for the function of Z in isolated photosystem II reaction centers 251 (1989) 241
Matsuura, K. see M. Itoh 251 (1989) 104

McConathy, W.J. and C.-S. Wang, Inhibition of lipoprotein lipase by the receptor-binding domain of apolipoprotein E 251 (1989) 250
Méchali, M. see S. Vriz 251 (1989) 201
Meera, G., N. Ramesh and S.K. Brahmachari, Zintrons in rat α-lactalbumin gene 251 (1989) 245
Meloun, B. see M. Mareš 251 (1989) 94
Misler, S. see L.C. Falke 251 (1989) 167
Misler, S. see R. Duncan 251 (1989) 17
Morel, F. see Y. Vandenberghe 251 (1989) 59
Mulner-Lorillon, O., R. Poulhe, P. Cormier, J.-C. Labbe, M. Doree and R. Belle, Purification of a p47 phosphoprotein from *Xenopus laevis* oocytes and identification as an in vivo and in vitro $p34^{cdc2}$ substrate 251 (1989) 219

Nakano, T. see M. Schröder 251 (1989) 197
Newman, E.L., L. Hyldahl, O. Larsson, W. Engström and A.R. Rees, Bradykinin blocks the action of EGF, but not PDGF, on fibroblast division 251 (1989) 225
Niedel, B. see B. Dahlmann 251 (1989) 125
Norén, O. see J. Olsen 251 (1989) 275
Novikova, L.A. see I.E. Kovaleva 251 (1989) 183
Nunn, P.B. and P. O'Brien, The interaction of β-*N*-methylamino-L-alanine with bicarbonate: an ^{1}H-NMR study 251 (1989) 31
Nylen, U. see U. Lönn 251 (1989) 265

O'Brien, P. see P.B. Nunn 251 (1989) 31
Ogi, K. see T. Watanabe 251 (1989) 257
Olsen, J., H. Sjöström and O. Norén, Cloning of the pig aminopeptidase N gene: Identification of possible regulatory elements and the exon distribution in relation to the membrane-spanning region 251 (1989) 275
Olvera, J. see V. Paz 251 (1989) 89
Onda, H. see T. Watanabe 251 (1989) 257

Pavlík, M. see M. Mareš 251 (1989) 94
Paz, V., J. Olvera, Y.-L. Chan and I.G. Wool, The primary structure of rat ribosomal protein L26 251 (1989) 89
Petersen, O.H. see L. Changya 251 (1989) 43
Pfeifer, G. see B. Dahlmann 251 (1989) 125
Pittius, C.W. see H. Lubon 251 (1989) 173
Portugal, J., A model for the ability of drugs to induce enhanced DNase I cleavage 251 (1989) 8
Poulhe, R. see O. Mulner-Lorillon 251 (1989) 219
Pressel, D.M. see L.C. Falke 251 (1989) 167

Quintern, L.E. see M. Schröder 251 (1989) 197

Ramesh, N. see G. Meera 251 (1989) 245
Rausch, T. see P. Bernasconi 251 (1989) 132
Record, M. see P. Gelas 251 (1989) 213
Rees, A.R. see E.L. Newman 251 (1989) 225
Ribbes, G. see P. Gelas 251 (1989) 213
Rice, K.C. see B.R. de Costa 251 (1989) 53
Rigoni, F. see R. Barbato 251 (1989) 147
Rogiers, V. see Y. Vandenberghe 251 (1989) 59
Rorsman, F. see C. Betsholtz 251 (1989) 261
Rosengard, F. see M.-J. Delrieu 251 (1989) 161
Rosenthal, W. see U. Rudolph 251 (1989) 137
Rudolph, U., G. Schultz and W. Rosenthal, The cytosolic G-protein α-subunit in human neutrophils responds to treatment with guanine nucleotides and magnesium 251 (1989) 137
Ryazanov, A.G. and E.K. Davydova, Mechanism of elongation factor 2 (EF-2) inactivation upon phosphorylation: Phosphorylated EF-2 is unable to catalyze translocation 251 (1989) 187

Sandhoff, K. see M. Schröder 251 (1989) 197
Sarre, T.F. see M. Schwemmle 251 (1989) 117
Satoh, K. see P. Mathis 251 (1989) 241
Satoh, T. see M. Itoh 251 (1989) 104
Saul, S.J. and M. Sugumaran, Characterization of a new enzyme system that desaturates the side chain of *N*-acetyldopamine 251 (1989) 69
Saunders, J. see D. Donnelly 251 (1989) 109
Schelling, D.L. see J. Haavik 251 (1989) 36
Schmid, C. see M. Böni-Schnetzler 251 (1989) 253
Schröder, M., H. Klima, T. Nakano, H. Kwon, L.E. Quintern, S. Gärtner, K. Suzuki and K. Sandhoff, Isolation of a cDNA encoding the human G_{M2} activator protein 251 (1989) 197
Schultz, G. see U. Rudolph 251 (1989) 137
Schwander, J. see M. Böni-Schnetzler 251 (1989) 253
Schwemmle, M., M. Görlach, M. Bader, T.F. Sarre and K. Hilse, Binding of mRNA by an oligopeptide containing an evolutionarily conserved sequence from RNA binding proteins 251 (1989) 117
Sharma, R.V. see R.A. Fisher 251 (1989) 22
Shirinsky, V.P., K.G. Biryukov, A.V. Vorotnikov and N.B. Gusev, $Caldesmon_{150}$, $caldesmon_{77}$ and skeletal muscle troponin T share a common antigenic determinant 251 (1989) 65
Sjöström, H. see J. Olsen 251 (1989) 275
Sobrino, F. see R. Bustos 251 (1989) 143
Söling, H.-D. see K. Machoczek 251 (1989) 207
Söll, D. see D. Drainas 251 (1989) 84
Sugumaran, M. see S.J. Saul 251 (1989) 69
Suzuki, K. see M. Schröder 251 (1989) 197
Suzuki, N. see T. Watanabe 251 (1989) 257
Svensson, V. see C. Betsholtz 251 (1989) 261

Taiz, L. see P. Bernasconi 251 (1989) 132
Terce, F. see P. Gelas 251 (1989) 213
Thiel, C. and B. Kadenbach, Influence of non-esterified fatty acids on respiratory control of reconstituted cytochrome-*c* oxidase 251 (1989) 270
Thurkauf, A. see B.R. de Costa 251 (1989) 53
Tomilin, N.V. and V.M. Bozhkov, Human nuclear protein interacting with a conservative sequence motif of Alu-family DNA repeats 251 (1989) 79
Tschech, A. see R. Glöckler 251 (1989) 237

Vandenberghe, Y., F. Morel, A. Foriers, B. Ketterer, A. Vercruysse, A. Guillouzo and V. Rogiers, Effect of phenobarbital on the expression of glutathione *S*-transferase isoenzymes in cultured rat hepatocytes 251 (1989) 59
Vercruysse, A. see Y. Vandenberghe 251 (1989) 59
Vorotnikov, A.V. see V.P. Shirinsky 251 (1989) 65
Vriz, S. and M. Méchali, Analysis of 3'-untranslated regions of seven c-myc genes reveals conserved elements prevalent in post-transcriptionally regulated genes 251 (1989) 201

Walker, J.M. see B.R. de Costa 251 (1989) 53
Wallis, M. see R.S. Boyd 251 (1989) 99
Wang, C.-S. see W.J. McConathy 251 (1989) 250
Watanabe, T., Y. Itoh, K. Ogi, C. Kimura, N. Suzuki and H. Onda, Synthesis of human endothelin-1 precursors in *Escherichia coli* 251 (1989) 257
Wernet, W., V. Flockerzi and F. Hofmann, The cDNA of the two isoforms of bovine cGMP-dependent protein kinase 251 (1989) 191
Westermark, P. see C. Betsholtz 251 (1989) 261
Willis, I. see D. Drainas 251 (1989) 84
Winblad, G. see U. Lönn 251 (1989) 265
Wool, I.G. see V. Paz 251 (1989) 89

Zimmerly, S. see D. Drainas 251 (1989) 84